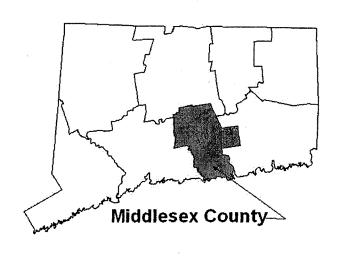


MIDDLESEX COUNTY, CONNECTICUT AND INCORPORATED AREAS

VOLUME 2 OF 3

Community Name	Communit Number
CHESTER, TOWN OF	090060
CLINTON, TOWN OF	090061
CROMWELL, TOWN OF	090123
DEEP RIVER, TOWN OF	090062
DURHAM, TOWN OF	090185
EAST HADDAM, TOWN OF	090063
EAST HAMPTON, TOWN OF	090064
ESSEX, TOWN OF	090065
FENWICK, BOROUGH OF	090187
HADDAM, TOWN OF	090066
KILLINGWORTH, TOWN OF	090174
MIDDLEFIELD, TOWN OF	090067
MIDDLETOWN, CITY OF	090068
OLD SAYBROOK, TOWN OF	090069
PORTLAND, TOWN OF	090130
WESTBROOK, TOWN OF	090070



Effective: August 28, 2008



Federal Emergency Management Agency FLOOD INSURANCE STUDY NUMBER

09007CV002A

NOTICE TO FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part or all of this FIS may be revised and republished at any time. In addition, part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of this FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

Initial Countywide FIS Effective Date: August 28, 2008

Revised Countywide FIS Dates:

1.0	INT	RODUCTION	<u>Page</u> 1
	1.1	Purpose of Study	1
	1.2	Authority and Acknowledgments	1
	1.3	Coordination	5
2.0	ARE	A STUDIED	6
	2.1	Scope of Study	6
	2.2	Community Description	7
	2.3	Principal Flood Problems	8
	2.4	Flood Protection Measures	10
3.0	ENG	INEERING METHODS	11
	3.1	Riverine Hydrologic Analyses	12
	3.2	Riverine Hydraulic Analyses	26
	3.3	Coastal Hydrologic Analyses	35
	3.4	Coastal Hydraulic Analyses	36
	3.5	Vertical Datum	44
4.0	FLOC	ODPLAIN MANAGEMENT APPLICATIONS	44
	4.1	Floodplain Boundaries	45
	4.2	Floodways	45
5.0	<u>INSU</u>	RANCE APPLICATIONS	107
6.0	FLOOD INSURANCE RATE MAP		108
7.0	OTHE	ER STUDIES	109
3.0	LOCA	ATION OF DATA	110
9.0	BIBLI	OGRAPHY AND REFERENCES	110

TABLE OF CONTENTS - Volume 1 - continued

	Page
FIGURES	
Figure 1 - Transect Schematic	37
Figure 2 - Transect Location Map	42
Figure 3 - Floodway Schematic	52
<u>TABLES</u>	
Table 1 - Initial and Final CCO Meetings	5
Table 2 - Flooding Sources Studied by Detailed Methods	6
Table 3 - Stream Name Changes	6
Table 4 - Letters of Map Change	7
Table 5 - USGS Stream Gages	10
Table 6 - Summary of Discharges	17-25
Table 7 - Summary of Stillwater Elevations	26
Table 8 - Manning's "n" Values	28-29
Table 9 - Effective Studies Hydraulic Models	31-33
Table 10 - Summary of Coastal Stillwater Elevations	36
Table 11 - Transect Descriptions	40-41
Table 12 - Transect Data	43
Table 13 - Topographic Map Index	46-49
Table 14 - Floodway Data Tables	53-106
Table 15 - Community Map History	108-109

EXHIBITS

Exhibit 1 -	Flood Profiles		
	Allyn Brook	Profiles	01P-02P
	Ball Brook	Profile	03P
	Beaver Meadow Brook	Profile	04P
	Bible Rock Brook	Profiles	05P - 08P
	Boulder Lake Brook	Profiles	09P - 10P
	Candlewood Hill Brook	Profiles	11P - 14P
	Carr Brook	Profiles	15P - 28P
	Carr Brook Tributary A	Profiles	29P - 30P
	Chester Creek	Profile	31P
	Chestnut Brook	Profiles	32P - 34P
	Coginchaug River	Profiles	35P - 42P
	Coles Road Brook	Profiles	43P - 44P
	Connecticut River	Profiles	45P - 49P
	Cromwell Creek	Profiles	50P - 53P
	Deep River	Profiles	54P - 57P
	East Swamp Brook	Profiles	58P - 59P
	Eightmile River	Profiles	60P - 63P
	Ellen Doyle Brook	Profiles	64P - 65P
	Falls River	Profiles	66P - 69P
	Fishing Brook	Profile	70P
	Great Brook	Profiles	71P - 76P
	Hales Brook	Profiles	77P - 84P
	Hammonasset River	Profiles	85P - 98P
	Hersig Brook	Profile	99P
	Indian River	Profiles	100P - 102P
	Lane District Brook	Profiles	103P - 104P
	Longhill Brook	Profiles	105P - 107P

EXHIBITS - continued

Exhibit 1 - Flood Profiles (continue

1 lood 1 loines (continued)		
Longhill Brook Diversion Channel	Profile	108P
Mattabesset River	Profiles	109P - 112P
Menunketesuck River	Profiles	113P - 118P
Mill Creek	Profiles	119P - 127P
Miner Brook - East Miner Brook	Profiles	128P - 130P
Moodus River	Profiles	131P - 138P
Old Nod Brook	Profiles	139P - 142P
Parmalee Brook	Profiles	143P - 144P
Patchogue River	Profiles	145P - 146P
Pattaconk Brook	Profiles	147P - 153P
Pocotopaug Creek	Profiles	154P - 157P
Pond Meadow Brook	Profiles	158P - 159P
Ponset Brook	Profiles	160P - 165P
Reservoir Brook	Profiles	166P - 177P
Roundhill Brook - East Roundhill Brook	Profile	178P - 180P
Salmon River	Profiles	181P - 183P
Sawmill Brook	Profiles	184P - 186P
Shunpike Creek	Profiles	187P - 189P
South Branch Great Brook	Profiles	190P - 191P
Spencer Hill Brook	Profiles	192P - 193P
Succor Brook	Profile	194P
Sumner Brook	Profiles	195P - 199P
Swamp Brook - West Swamp Brook	Profile	200P

EXHIBITS - continued

Exhibit 1 -	Flood Profiles (continued)		
	West Branch Boulder Lake Brook	Profile	201P
	West Miner Brook	Profile	202P
	West Roundhill Brook	Profile	203P
	West Swamp Brook	Profile	204P
	Willow Brook	Profile	205P

Exhibit 2 - Flood Insurance Rate Map Index
Flood Insurance Rate Map

